

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR

:SHIWANI SABHARWAL

CLASS/SECTION

: B.A/B.SC VI SEM (B & E)

SUBJECT

:MATHEMATICS(LINEAR ALGEBRA)

UNIT 1	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	VECTOR SPACE	
DAY2 DATE 2-1-18	VECTOR SPACE	
DAY3 DATE 3-1-18	VECTOR SPACE	
DAY4 DATE 4-1-18	VECTOR SPACE	
DAY5 DATE 5-1-18	VECTOR SPACE	
DAY6 DATE 6-1-18	VECTOR SPACE	
DAY7 DATE 8-1-18	VECTOR SPACE	
DAY8 DATE 9-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY9 DATE 10-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY10 DATE 11-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY11 DATE 12-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY12 DATE 13-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY13 DATE 15-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY 14 DATE 16-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY15 DATE 17-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY16 DATE 18-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY17 DATE 19-1-18	LINEAR INDEPENDENT VECTORS AND BASIS	
DAY18 DATE 20-1-18	TEST VECTOR SPACE	

DAY19 DATE 22-1-18	HOLIDAY	
DAY20 DATE 23-1-18	SPORTS DAY	
DAY21 DATE 24-1-18	HOLIDAY	
DAY22 DATE 25-1-18	QUOTIENT SPACE	
DAY23 DATE 26-1-18	HOLIDAY	
DAY 24 DATE 27-1-18	QUOTIENT SPACE	
DAY25 DATE 29-1-18	QUOTIENT SPACE	
DAY26 DATE 30-1-18	TEST- LINEAR INDEPENDENT VECTORS AND BASIS	
DAY27 DATE 31-1-18	HOLIDAY	
UNIT 2	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-2-18	LINEAR TRANSFORMATION & VECTOR SPACE ISOMORPHISM	
DAY2 DATE 2-2-18	LINEAR TRANSFORMATION & VECTOR SPACE ISOMORPHISM	
DAY3 DATE 3-2-18	LINEAR TRANSFORMATION & VECTOR SPACE ISOMORPHISM	
DAY4 DATE 5-2-18	LINEAR TRANSFORMATION & VECTOR SPACE ISOMORPHISM	
DAY5 DATE 6-2-18	LINEAR TRANSFORMATION & VECTOR SPACE ISOMORPHISM	
DAY6 DATE 7-2-18	LINEAR TRANSFORMATION & VECTOR SPACE ISOMORPHISM	
DAY7 DATE 8-2-18	RANK & NULLITY	
DAY8 DATE 9-2-18	ASSIGNMENT 1	
DAY9 DATE 10-2-18	HOLIDAY	
DAY10 DATE 12-2-18	RANK & NULLITY	
DAY11 DATE 13-2-18	HOLIDAY	
DAY12 DATE 14-2-18	RANK & NULLITY	
DAY13 DATE 15-2-18	RANK & NULLITY	

DAY14 DATE 16-2-18	TEST-RANK & NULLITY	
DAY15 DATE 17-2-18	DUAL SPACE	
DAY16 DATE 19-2-18	DUAL SPACE	
DAY17 DATE 20-2-18	DUAL SPACE	
DAY18 DATE 21-2-18	TEST- DUAL SPACE	
UNIT 3	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 22-2-18	ALGEBRA OF LINEAR TRANSFORMATION	
DAY2 DATE 23-2-18	ALGEBRA OF LINEAR TRANSFORMATION	
DAY3 DATE 27-2-18	ALGEBRA OF LINEAR TRANSFORMATION	
DAY4 DATE 28-2-18	HOLIDAY	
DAY5 DATE 1-3-18	HOLIDAY	
DAY6 DATE 2-3-18	HOLIDAY	
DAY7 DATE 3-3-18	HOLIDAY	
DAY8 DATE 5-3-18	ALGEBRA OF LINEAR TRANSFORMATION	
DAY9 DATE 6-3-18	ALGEBRA OF LINEAR TRANSFORMATION	
DAY10 DATE 7-3-18	TEST – DUAL SPACE	
DAY11 DATE 8-3-18	MATRIX OF LINEAR TRANSFORMATION	
DAY12 DATE 9-3-18	MATRIX OF LINEAR TRANSFORMATION	
DAY13 DATE 10-3-18	ASSIGNMENT 2	
DAY 14 DATE 12-3-18	MATRIX OF LINEAR TRANSFORMATION	
DAY15 DATE 13-3-18	MATRIX OF LINEAR TRANSFORMATION	
DAY16 DATE 14-3-18	MATRIX OF LINEAR TRANSFORMATION	
DAY17 DATE 15-3-18	MATRIX OF LINEAR TRANSFORMATION	

DAY18 DATE 16-3-18	MATRIX OF LINEAR TRANSFORMATION	
DAY19 DATE 17-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY20 DATE 19-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY21 DATE 20-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY22 DATE 21-3-18	CONDITIONAL TEST	
DAY23 DATE 22-3-18	CONDITIONAL TEST	
DAY 24 DATE 23-3-18	HOLIDAY	
DAY 25 DATE 24-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY 26 DATE 26-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY27 DATE 27-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY28 DATE 28-3-18	EIGEN VALUES & EIGEN VECTORS OF LINEAR TRANSFORMATION	
DAY29 DATE 29-3-18	HOLIDAY	
UNIT IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 30-3-18	INNER PRODUCT SPACE	
DAY2 DATE 31-3-18	INNER PRODUCT SPACE	
DAY3 DATE 2-4-18	INNER PRODUCT SPACE	
DAY4 DATE 3-4-18	INNER PRODUCT SPACE	
DAY5 DATE 4-4-18	INNER PRODUCT SPACE	
DAY6 DATE 5-4-18	INNER PRODUCT SPACE	
DAY7 DATE 6-4-18	INNER PRODUCT SPACE	
DAY8 DATE 7-4-18	INNER PRODUCT SPACE	
DAY9 DATE 9-4-18	INNER PRODUCT SPACE	

DAY10 DATE 10-4-18	INNER PRODUCT SPACE	
DAY11 DATE 11-4-18	LINEAR OPERATOR	
DAY12 DATE 12-4-18	LINEAR OPERATOR	
DAY13 DATE 13-4-18	LINEAR OPERATOR	
DAY14 DATE 14-4-18	HOLIDAY	
DAY15 DATE 16-4-18	LINEAR OPERATOR	
DAY16 DATE 17-4-18	LINEAR OPERATOR	
DAY17 DATE 18-4-18	HOLIDAY	
DAY18 DATE 19-4-18	TEST INNER PRODUCT SPACE	
DAY19 DATE 20-4-18	REVISION	

NAME OF ASSISTANT PROFESSOR: MS SHIWANI SABHARWAL
CLASS/SECTION: B.SC. IV SEM E & F AND B.A
SUBJECT: MATHEMATICS (PAPER-I: SEQUENCES AND SERIES)

UNIT II, PART-II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Preliminaries	
DAY2 DATE 2-1-18	Preliminaries	
DAY3 DATE 3-1-18	Preliminaries	
DAY4 DATE 4-1-18	Infinite Series	
DAY5 DATE 5-1-18	Infinite Series	
DAY6 DATE 6-1-18	Infinite Series	
DAY7 DATE 8-1-18	Infinite Series	
DAY8 DATE 9-1-18	Infinite Series	

DAY9 DATE 10-1-18	Infinite Series	
DAY10 DATE 11-1-18	Infinite Series	
UNIT III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 12-1-18	Infinite Series (Continued)	
DAY2 DATE 13-1-18	Infinite Series (Continued)	
DAY3 DATE 15-1-18	Infinite Series (Continued)	
DAY 4 DATE 16-1-18	Infinite Series (Continued)	
DAY 5 DATE 17-1-18	Infinite Series (Continued)	
DAY6 DATE 18-1-18	Test of Infinite Series	
DAY7 DATE 19-1-18	Infinite Series (Continued)	
DAY8 DATE 20-1-18	Infinite Series (Continued)	
DAY9 DATE 22-1-18	HOLIDAY	
DAY10 DATE 23-1-18	SPORTS DAY	
DAY11 DATE 24-1-18	HOLIDAY	
DAY12 DATE 25-1-18	Infinite Series (Continued)	
DAY13 DATE 26-1-18	HOLIDAY	
DAY 14 DATE 27-1-18	Infinite Series (Continued)	
DAY15 DATE 29-1-18	Infinite Series (Continued)	
DAY16 DATE 30-1-18	Infinite Series (Continued)	
DAY17 DATE 31-1-18	HOLIDAY	
DAY18 DATE 1-2-18	Test of Infinite Series (Continued)	
UNIT IV	TOPIC	
	THEORY	PRACTICAL

DAY1 DATE 2-2-18	Alternating Series	
DAY2 DATE 3-2-18	Alternating Series	
DAY3 DATE 5-2-18	Alternating Series	
DAY4 DATE 6-2-18	Alternating Series	
DAY5 DATE 7-2-18	Alternating Series	
DAY6 DATE 8-2-18	Arbitrary Series	
DAY7 DATE 9-2-18	ASSIGNMENT 1	
DAY8 DATE 10-2-18	HOLIDAY	
DAY9 DATE 12-2-18	Arbitrary Series	
DAY10 DATE 13-2-18	HOLIDAY	
DAY11 DATE 14-2-18	Test of Alternating Series	
DAY12 DATE 15-2-18	Arbitrary Series	
DAY13 DATE 16-2-18	Arbitrary Series	
DAY14 DATE 17-2-18	Arbitrary Series	
DAY15 DATE 19-2-18	Arbitrary Series	
DAY16 DATE 20-2-18	Arbitrary Series	
DAY17 DATE 21-2-18	Arbitrary Series	
DAY18 DATE 22-2-18	Arbitrary Series	
DAY19 DATE 23-2-18	Test of arbitrary series	
DAY20 DATE 24-2-18	Infinite product	
DAY21 DATE 26-2-18	Infinite product	
DAY22 DATE 27-2-18	Infinite product	
DAY23 DATE 28-2-18	HOLIDAY	

DAY24 DATE 1-3-18	HOLIDAY	
DAY25 DATE 2-3-18	HOLIDAY	
DAY26 DATE 3-3-18	HOLIDAY	
DAY27 DATE 5-3-18	Infinite product	
DAY28 DATE 6-3-18	Infinite product	
DAY29 DATE 7-3-18	Infinite product	
DAY30 DATE 8-3-18	Test of Infinite Product	
UNIT I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 9-3-18	Topology of Real Numbers	
DAY2 DATE 10-3-18	ASSIGNMENT 2	
DAY 3 DATE 12-3-18	Topology of Real Numbers	
DAY4 DATE 13-3-18	Topology of Real Numbers	
DAY5 DATE 14-3-18	Topology of Real Numbers	
DAY6 DATE 15-3-18	Topology of Real Numbers	
DAY7 DATE 16-3-18	Topology of Real Numbers	
DAY8 DATE 17-3-18	Topology of Real Numbers	
DAY9 DATE 19-3-18	Topology of Real Numbers	
DAY10 DATE 20-3-18	Topology of Real Numbers	
DAY11 DATE 21-3-18	CONDITIONAL TEST	
DAY12 DATE 22-3-18	CONDITIONAL TEST	
DAY 13 DATE 23-3-18	HOLIDAY	
DAY 14 DATE 24-3-18	Topology of Real Numbers	

DAY15 DATE 26-3-18	Topology of Real Numbers	
DAY16 DATE 27-3-18	Topology of Real Numbers	
UNIT II, PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 28-3-18	Sequences	
DAY2 DATE 29-3-18	HOLIDAY	
DAY3 DATE 30-3-18	Sequences	
DAY4 DATE 31-3-18	Sequences	
DAY5 DATE 2-4-18	Sequences	
DAY6 DATE 3-4-18	Sequences	
DAY7 DATE 4-4-18	Sequences	
DAY8 DATE 5-4-18	Sequences	
DAY9 DATE 6-4-18	Sequences	
DAY10 DATE 7-4-18	Sequences	
DAY11 DATE 9-4-18	Sequences	
DAY12 DATE 10-4-18	Sequences	
DAY13 DATE 11-4-18	Sequences	
DAY14 DATE 12-4-18	Revision	
DAY15 DATE 13-4-18	Revision	
DAY16 DATE 14-4-18	HOLIDAY	
DAY17 DATE 16-4-18	Revision	
DAY18 DATE 17-4-18	Revision	
DAY19 DATE 18-4-18	HOLIDAY	
DAY20 DATE 19-4-18	Revision	

DAY21 DATE 20-4-18	Revision	
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NAME OF ASSISTANT PROFESSOR : SHIWANI SABHARWAL
CLASS/SECTION : B.SC VI TH SEM (B)(DAY 1-3)
SUBJECT : DYNAMICS

UNIT 1	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	MOTION ALONG A PLANE CURVE	
DAY2 DATE 2-1-18	MOTION ALONG A PLANE CURVE	
DAY3 DATE 3-1-18	MOTION ALONG A PLANE CURVE	
DAY4 DATE 8-1-18	MOTION ALONG A PLANE CURVE	
DAY5 DATE 9-1-18	RELATIVE VELOCITY & ACCELERATION	
DAY6 DATE 10-1-18	RELATIVE VELOCITY & ACCELERATION	
DAY7 DATE 15-1-18	RELATIVE VELOCITY & ACCELERATION	
DAY 8 DATE 16-1-18	SIMPLE HARMONIC MOTION	
DAY9 DATE 17-1-18	SIMPLE HARMONIC MOTION	
DAY10 DATE 22-1-18	HOLIDAY	
DAY11 DATE 23-1-18	SPORTS DAY	
DAY12 DATE 24-1-18	HOLIDAY	
DAY13 DATE 29-1-18	SIMPLE HARMONIC MOTION	
DAY14 DATE 30-1-18	SIMPLE HARMONIC MOTION	
DAY15 DATE 31-1-18	HOLIDAY	
DAY16 DATE 5-2-18	ELASTIC STRING	
DAY17 DATE 6-2-18	ELASTIC STRING	
DAY18 DATE 7-2-18	ELASTIC STRING & ASSIGNMENT-1	
DAY19	ELASTIC STRING	

DATE 12-2-18		
DAY20 DATE 13-2-18	HOLIDAY	
DAY21 DATE 14-2-18	TEST SHM	
UNIT 2	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 19-2-18	NEWTON LAWS OF MOTION	
DAY2 DATE 20-2-18	NEWTON LAWS OF MOTION	
DAY3 DATE 21-2-18	NEWTON LAWS OF MOTION	
DAY4 DATE 26-2-18	WORK ,ENERGY & POWER	
DAY5 DATE 27-2-18	WORK ,ENERGY & POWER	
DAY6 DATE 28-2-18	HOLIDAY	
DAY7 DATE 5-3-18	WORK ,ENERGY & POWER	
DAY8 DATE 6-3-18	WORK ,ENERGY & POWER	
DAY9 DATE 7-3-18	WORK ,ENERGY & POWER & ASSIGNMENT 2	
UNIT 3	TOPIC	
	THEORY	PRACTICAL
DAY 1 DATE 12-3-18	MOTION ON SMOOTH & ROUGH PLANE CURVES	
DAY2 DATE 13-3-18	MOTION ON SMOOTH & ROUGH PLANE CURVES	
DAY3 DATE 14-3-18	MOTION ON SMOOTH & ROUGH PLANE CURVES	
DAY4 DATE 19-3-18	MOTION ON SMOOTH & ROUGH PLANE CURVES	
DAY5 DATE 20-3-18	MOTION ON SMOOTH & ROUGH PLANE CURVES	
DAY6 DATE 21-3-18	CONDITIONAL TEST	
DAY7 DATE 26-3-18	MOTION ON SMOOTH & ROUGH PLANE CURVES	
UNIT 4	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 27-3-18	CENTRAL ORBIT	

DAY2 DATE 28-3-18	CENTRAL ORBIT	
DAY3 DATE 2-4-18	CENTRAL ORBIT	
DAY4 DATE 3-4-18	CENTRAL ORBIT	
DAY5 DATE 4-4-18	KEPLER'S LAW OF MOTION	
DAY6 DATE 9-4-18	KEPLER'S LAW OF MOTION	
DAY7 DATE 10-4-18	KEPLER'S LAW OF MOTION	
DAY8 DATE 11-4-18	MOTION OF A PARTICLE IN THREE DIMENSION	
DAY9 DATE 16-4-18	MOTION OF A PARTICLE IN THREE DIMENSION	
DAY10 DATE 17-4-18	MOTION OF A PARTICLE IN THREE DIMENSION	
DAY11 DATE 18-4-18	HOLIDAY	

SHIWANI SABHARWAL
(NAME OF TEACHER)